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Patent Claims

- A computer-aided method for automated 1. parameter identification and/or characterization, where relative risk values for a multiplicity of products and/or populations are determined, characterized in that product and/or population data records stored accessibly in databases (2) are taken as a basis for lookup table (4) containing risk 10 generating a parameters,
 - in that a filter module (3) is used to store risk classes in association with the product and/or population data records on the basis of the risk parameters from the lookup table (4),
 - in that an analysis module (1) is used to generate at least one expected value for a probability of occurrence of a definable risk event for each risk class and to store it in association with the risk event,
 - in that a normalization module (5) is used to normalize the expected value for the respective risk class on the basis of an average rate of occurrence of the event for the product and/or population data records to produce a relative occurrence parameter, and
 - in that the analysis module (1) is used to produce a risk characterization value for the respective risk class on the basis of the comparison of the relative occurrence parameters, with the risk characterization value determining the probability of occurrence of the risk event.
- 2. The method as claimed in claim 1, characterized in that, for a specific combination of risk classes, a risk characterization value is determined using the analysis module (1) and is compared with available empirical data records for the purpose of characterizing the product and/or the population, where

only typical risk characterizations situated within a definable threshold value are associated with the risk class.

- 5 3. The method as claimed in either of claims 1 and 2, characterized in that one or more of the risk classes have an associated multiplicity of risk parameters, where the method is repeated with the risk parameters modified and the deviations from the expected values are stored in association with the risk classes.
- 4. The method as claimed in one of claims 1 to 3, characterized in that the analysis module (1) is used to determine correlation factors between the risk parameters on the basis of the population data files divided into risk classes and to store them in association with the relevant risk parameters.
- 5. The method as claimed in one of claims 1 to 4, 20 characterized in that one or more threshold values are used to allocate each risk parameter a relevance flag for a particular population and/or product.
- 6. The method as claimed in one of claims 1 to 5, characterized in that the lookup table (4) containing risk parameters is generated at least partly dynamically on the basis of product and/or population data records stored accessibly in databases (2).
- 7. The method as claimed in one of claims 1 to 6, characterized in that for secondary risk groups at least one separate relative occurrence parameter is generated.
- 35 8. The method as claimed in one of claims 1 to 7, characterized in that when the data are compared with the empirical data stored in relevant memory units (6) the data, if situated outside of a determinable

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fluctuation tolerance, are aligned with the empirical data.

- 9. The method as claimed in one of claims 1 to 8, characterized in that the risk parameters comprise at least the relative mortality risks.
 - 10. The method as claimed in one of claims 1 to 9, characterized in that new risk classes are produced dynamically on the basis of at least parts of the relative occurrence parameters.
- 11. The method as claimed in one of claims 7 to 10, characterized in that the secondary risk groups comprise at least sex and/or age of occurrence and/or smoker/non-smoker and/or policy duration.
 - 12. A computer-aided system for automated determination of relative risks which are linked to a multiplicity of financial products, comprising:
 - a) means for identifying one or more risk classes which are associated with the multiplicity of financial products;
- b) means for determining an expected rate of25 occurrence for each risk class;
 - c) means for dividing the expected rates of occurrence by an average rate in order to determine a relative risk ratio for each risk class; and
- d) means for comparing the relative risk ratios for 30 the purpose of characterizing the relative risks linked to the multiplicity of products.
- 13. The computer-aided system as claimed in claim 12, characterized in that said one or more risk classes are associated with one or more criteria, and which additionally has means for modifying one or more criteria and for recalculation of the relative risk

ratio for determining an effect of said modification on the relative risks which are linked to the products.

- The computer-aided system as claimed in either of claims 12 and 13, characterized in that one or more of said risk classes are linked to different criteria, and in which said relative risk ratios are used for comparing said risk classes.
- The computer-aided system as claimed in one of 10 claims 12 to 14, characterized in that it comprises risk ratio for applying the relative redefining one or more of said risk classes.
- 15 The computer-aided system as claimed in one of claims 12 to 15, characterized in that it comprises means for determining a separate relative risk ratio for risk subgroups.
- The computer-aided system as claimed in one 20 claims 12 to 16, characterized in that for use determining the relative risk ratios it comprises means for storing data which relate to the predominance of criteria which are linked to said risk classes.

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- The computer-aided system as claimed in one of claims 12 to 17, characterized in that it comprises data predominance for comparing the empirical industrial data for particular combinations of criteria and means for aligning the stored data with the empirical data.
- The computer-aided system as claimed in one of claims 12 to 18, characterized in that it comprises means for storing data which relate to the expected 35 rates of occurrence for the purpose of determining the relative risk ratios.

- The computer-aided system as claimed in one of claims 12 to 19, characterized in that it comprises means for comparing the stored data with empirical industrial data and means for aligning the stored data with the empirical data.
- The computer-aided system as claimed in one of 21. claims 12 to 20, characterized in that the one or more risk classes are associated with at least one criterion, and also containing means for using the 10 relative risk ratio to determine the effect which the inclusion in a risk class of one or more risks which do not meet one or more criteria linked to this risk class has on this risk class.